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Attorney's Docket No.: 18202-018001 / 1082

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Number of pages including this page 8

Applicant : Lin Zhi et al.
Serial No. : 10/080,503
Filed : February 22, 2002
Conf. No. : 8671

Art Unit : 1623
Examiner : Lawrence E. Crane, Ph.D.
Cust. No. : 20985

Title : TRICYCLIC QUINOLINONE AND TRICYCLIC QUINOLINE ANDROGEN
RECEPTOR MODULATOR COMPOUNDS AND METHODS

Mail Stop Amendment
ATTN: Examiner Lawrence Crane
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Pursuant to the telephone discussion of April 5, 2005, with Examiner Crane, attached is a replacement copy of Form PTO-1449 (3 pages) previously submitted January 31, 2005. Also pursuant to the telephone discussion of April 5, 2005, a Certified translation (item BU; 4 pages) of previously submitted Japanese Patent Application No. 50-25595 (item AL), is provided herewith. Since this is a replacement copy of Form PTO-1449 and a submission of an English translation of a document previously submitted, no fee should be due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 06-1050 as stated below:

- ☒ The Commissioner is hereby authorized to charge any fees that may be due under 37 C.F.R. §1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 06-1050.

Respectfully submitted,

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Attorney Docket No. 18202-018001 / 1082
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Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 18202-018001 / 1082		Application No. 10/080,503	
List of Patents and Publications for Applicant's Information Disclosure Statement (37 CFR §1.98(b))				Applicant Lin Zhi et al.			
				Filing Date February 22, 2002		Group Art Unit 1623	
U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2002/0183346	12/05/02	Zhi et al.	514	291	02/22/02
	AB	3,919,238	11/11/75	Spencer et al.	260	288	06/06/73
	AC	5,576,324	11/19/96	Kyotani et al.	514	291	10/27/94
	AD	5,696,130	12/09/97	Jones et al.	514	291	06/05/95
	AE	6,017,924	01/25/00	Edwards et al.	514	292	08/12/99
	AF	6,180,794	01/30/01	Edwards et al.	546	152	10/15/99

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AG	0 638 571	04/28/93	EP, A1				
	AH	00/12502	03/09/00	PCT				
	AI	02/066475	08/29/02	PCT				
	AJ	02/068427	09/06/02	PCT				
	AK	24 27 409	01/09/75	DE (DT), A1				X*
	AL	50-25595	03/18/75	JP				X*
	AM	96/19458	06/27/96	PCT				

X* = An English language abstract or equivalent is provided.

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AN	Bolognese et al., "Photochemistry of Ommochrome Pigments," J. Heterocyclic Chem. 25: 1243-1246 (1988)
	AO	Bolognese et al., "Oxidation of 3-Hydroxykynurenine. A Reexamination," J. Heterocyclic Chem. 25: 1247-1250 (1988)
	AP	Bolognese et al., "Photochemistry of Ommochromes and Related Compounds," J. Heterocyclic Chem. 25: 979-983 (1988)
	AQ	Boyer, M., "The management of prostate cancer," Aust. Prescr. 19:22-24 (1996) http://www.australianprescriber.com/magazines/vol19no1/ap19-1-11.htm (accessed on 01/28/2005)
	AR	Bush et al., "Sample-distance Partial Least Squares: PLS optimized for many variables, with application to CoMFA," Journal of Computer-Aided Molecular Design 7(5): 587-619 (1993)
	AS	Castillo, P. and J.C. Rodriguez-Ubis, "A high-yield method for the methylation of o-dihydroxyaromatic compounds: synthesis of methylenedioxcoumarins," Synthesis pp. 839-840 (1986)
Examiner Signature		Date Considered
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

Sheet 2 of 3

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 18202-018001 / 1082		Application No. 10/080,503	
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				Other Documents (Include Author, Title, Date, and Place of Publication)			
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	AT	Chemical Abstracts vol. 54, no.8821, (1960) Mustafa et al., "Photochemical reaction in sunlight. Experiments with benzo[k]quinoline-5,6-quinone, monoamine and monoxmine derivatives in sunlight and in dark," J. A. Chem. Soc. 81:3409-3413 (1939)					
	AU	Chemical Abstracts vol. 83, no.179036, page 577 (1975) JP 50-25595 published 03/18/75, entitled "9-Halothiazoloquinolines"					
	AV	Claman et al., "SOGC clinical practice guidelines. Hirsutism: evaluation and treatment," J Obstet Gynaecol Can. 24(1):62-7 (2002)					
	AW	Debenedetti et al., "Isopurasol, a coumarin from <i>Pterocaulon virgatum</i> ," Phytochemistry 51: 701-703 (1999)					
	AX	Ishii et al., "Formation of Hydroxanthommatin-Derived Radical in the Oxidation of 3-Hydroxykynurenine," Archives of Biochemistry and Biophysics 294(2): 616-622 (1992)					
	AY	Kalinin et al., "Directed <i>ortho</i> Metalation - Cross Coupling Links. Carbamoyl Rendition of the Baker-Venkatarman Rearrangement. Reiospecific Route to Substituted 4-Hydroxycoumarins," Tetrahedron Letters 39: 4995-4998 (1998)					
	AZ	Kawamori et al., "Effects of heterocyclic amines with mammary gland carcinogenic potential on estrogenic response of uterus in ovariectomized rats," Cancer Letters 162: 31-37 (2001)					
	BA	Lancelot et al., "Pyrido[2,3- <i>h</i>]pyrrolo[1,2- <i>a</i>]quinoxalines," Chem. Pharm. Bull. 31: 3160-3167 (1983) [Article in French, English abstract on first page of article]					
	BB	LaMontagne et al., "Antimalarials. 13. 5-Alkoxy Analogues of 4-Methylprimaquine," J. Med. Chem. 25: 964-968 (1982)					
	BC	McIlroy et al., "Effects of proteinase inhibitors on adenylate cyclase," Biochem J. 188(2): 423-435 (1980)					
	BD	Ohta et al., "Juvenile hormone antagonists," Kagaku to Seibutsu 17(2): 92-94 (1979) [Article in Japanese]					
	BE	Singh et al., "Androgen receptor antagonists (antiandrogens): structure-activity relationships," Curr. Med. Chem. 7(2): 211-247 (2000)					
	BF	Sperry et al., "Farnesol oxidation in insects: evidence that the biosynthesis of insect juvenile hormone is mediated by a specific alcohol oxidase," Insect Biochemistry and Molecular Biology 31(2): 171-178 (2001)					
	BG	STN CAPLUS Abstract Database Accession No. 96:6616 Akhvlediani et al., "Chichibabin reaction in a series of angular pyrroloquinolines," Zhurnal Organicheskoi Khimii 17(7): 1542-1546 (1981)					
	BH	STN CAPLUS Abstract Database Accession No. 74:3531, Chapman et al., "Substitution reactions of thieno [3,2- <i>f</i>]quinoline," Journal of the Chemical Society, Section C: Organic (17): 2334-2339 (1970)					
	BI	STN CAPLUS Abstract Database Accession No. 130:13934, El-Desoky et al., "Synthesis of pyrrolo-, thienopyrrolo-, and benzothienopyrroloquinolines as well as of triazoloindole derivatives," Zeitschrift fuer Naturforschung B: Chemical Sciences 53(10): 1216-1222 (1998)					
	BJ	STN CAPLUS Abstract Database Accession No. 133:171758, Ferlin et al., "Pyrrolo-quinoline derivatives as potential antineoplastic drugs," Bioorganic & Medicinal Chemistry 8(6): 1415-1422 (2000)					
	BK	STN CAPLUS Abstract Database Accession No. 110:75273, Gryaznov et al., "Reactivity of 1H-pyrrolo [2,3- <i>f</i>]-3H-pyrrolo[3,2- <i>f</i>]quinoline and their derivatives," Izvestiya Timiryazevskoi Sel'skokhozyaistvennoi Akademii (3): 185-190 (1988)					
Examiner Signature				Date Considered			
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	BL	STN CAPLUS Abstract Database Accession No. 128:3621, Majumdar et al., "Studies on amine oxide rearrangements: regioselective synthesis of pyrrolo [3,2-f]quinolin-7-ones," Journal of Chemical Research, Synopses (9): 310-311 (1997)			
	BM	STN CAPLUS Abstract Database Accession No. 73:73505, Saksena et al., "Androgenic, antiandrogenic, and anabolic activity of azasteroids on immature castrated rats," Indian J. Med. Res. 58(4): 513-518 (1970)			
	BN	STN CAPLUS Abstract Database Accession No. 87:5939, SU 548608 published 02/28/77, entitled "Pyrroloquinoline derivatives".			
	BO	STN CAPLUS Abstract Database Accession No. 71:81325, SU 241441 published 04/18/69, entitled "2-Methyl-3-(beta-aminoethyl)-1H-pyrrolo [2,3-b]quinoline or 1-(beta-aminoethyl)-2-methyl-3H-pyrrolo [3,2-f]quinoline."			
	BP	STN CAPLUS Abstract Database Accession No. 99:38395, Yamashkin et al., "Synthesis of pyrroloquinolones," Khimiya Geterotsiklicheskikh Soedinenii (4): 493-497 (1983)			
	BQ	STN CAPLUS Abstract Database Accession No. 131:213835, Yamashkin et al., "Reactivities of 5-, 6-, and 7- (enamino) indoles in the synthesis of pyrroloquinolines," Chemistry of Heterocyclic Compounds (New York) [Translation of Khimiya Geterotsiklicheskikh Soedinenii] 34(9): 1050-1065 (1998)			
	BR	STN CAPLUS Abstract Database Accession No. 56:38406, Yoshikawa et al., "Synthesis of 4,6-diaminoquinoline derivatives. I. Synthesis of pyrrolo [f] quinoline derivatives," Yakugaku Zasshi 81: 1317-1322 (1961)			
	BS	STN CAPLUS Abstract Database Accession No. 92:146650, Yudin et al., "Nitropyrroloquinolines," Khimiya Geterotsiklicheskikh Soedinenii (10): 1381-1385 (1979)			
	BT	Willard et al., "Potential Diuretic- β -Adrenergic Blocking Agents: Synthesis of 3-[2-[1,1-Dimethylethyl]amino]-1-hydroxyethyl]-1,4-dioxino[2,3-g]quinolines," J.Org. Chem. 46: 3846-3852 (1981)			
	BU	Certified English translation of Japanese Patent Application No. JP 50-25595 entitled "Production method for 9-halogeno thiazolo quinoline materials."			

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